Use Case <<extends>> and <<includes>> Guidelines

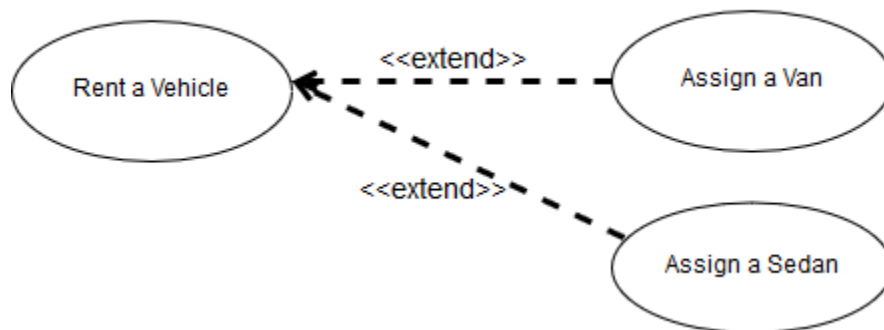COP4331 Spring 2017 - Dr.Edwin Nassiff

1) General:

A <u>use case</u> is a high level behavioral description of your system showing who interacts with the system (actors) and the goals the actors what to achieve.

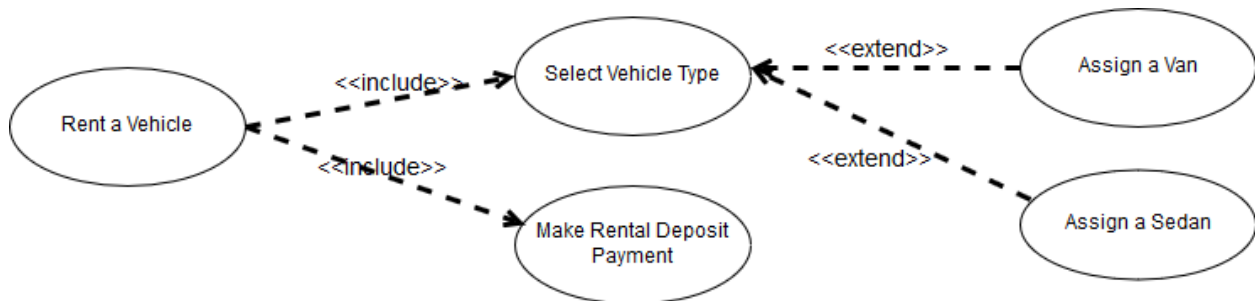<u>Actors</u> can be people, devices, organizations, or some external software component.

2) <<extend>> and <<include>>

   a) Use **X <<extend>> Y** when the goals/functions of **X** are of the same type as **Y** and **X** is a more specific case for doing **Y**

There are two types of vehicles that can be selected, but only one selection will be made

   b) Use **X <<include>> Y** indicates that **X** has a subtask in **Y**; in order to complete **X, Y** must be executed at least one time

   c) However, **X <<include>> Y** below is wrong because when selecting a vehicle you will only select one type of vehicle and not both.